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Attorney Docket No. YOR920040039US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): C.C. Aggarwal et al.
Docket No.: YOR920040039US1
Serial No.: 10/801,420
Filing Date: March 16, 2004
Group: 2171
Examiner: To Be Assigned

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature: *[Signature]*

Date: August 18, 2004

Title: Methods and Apparatus for Data Stream
Clustering for Abnormality Monitoring

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

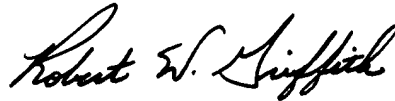
1. C.C. Aggarwal, "A Framework for Diagnosing Changes in Evolving Data Streams," ACM SIGMOD Conference, pp. 575-586, June 2003.
2. B. Babcock et al., "Models and Issues in Data Stream Systems," ACM PODS Conference, pp. 1-30, 2002.
3. P. Domingos et al., "Mining High-Speed Data Streams," ACM SIGKDD Conference, 10 pages, 1998.
4. S. Guha et al., "ROCK: A Robust Clustering Algorithm for Categorical Attributes," Proceedings of the International Conference on Data Engineering, 10 pages, March 1999.

5. L. O'Callaghan et al., "Streaming-Data Algorithms for High-Quality Clustering," ICDE Conference, pp. 1-25, October 2001.
6. P.S. Bradley et al., "Scaling Clustering Algorithms to Large Databases," SIGKDD Conference, 7 pages, 1998.
7. S. Guha et al., "CURE: An Efficient Clustering Algorithm for Large Databases," ACM SIGMOD Conference, pp. 73-84, 1998.
8. R.T. Ng et al., "Efficient and Effective Clustering Methods for Spatial Data Mining," Proceedings of the 20th VLDB Conference, pp. 144-155, 1994.
9. E. Knorr et al., "Algorithms for Mining Distance-Based Outliers in Large Datasets," Proceedings of the 24th VLDB Conference, 12 pages, 1998.
10. E. Knorr et al., "Finding Intensional Knowledge of Distance-Based Outliers," Proceedings of the 25th VLDB Conference, pp. 211-222, 1999.
11. S. Ramaswamy et al., "Efficient Algorithms for Mining Outliers from Large Data Sets," Proceedings of the ACM SIGMOD Conference, 12 pages, 2000.
12. T. Zhang et al., "BIRCH: An Efficient Data Clustering Method for Very Large Databases," ACM SIGMOD Conference, pp. 103-114, 1996.
13. V. Ganti et al., "CACTUS-Clustering Categorical Data Using Summaries," Proceedings of the ACM SIGKDD Conference, 11 pages, 1999.
14. D. Gibson et al., "Clustering Categorical Data: An Approach Based on Dynamical Systems," Proceedings of the VLDB Conference, pp. 1-22, 1998.
15. C.C. Aggarwal et al., "A Framework for Clustering Evolving Data Streams," Proceedings of the 29th VLDB Conference, 12 pages, 2003.

It is believed that there is no fee due in conjunction with the filing of this Information Disclosure Statement. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation Deposit Account No. 50-0510** as required to correct the error.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robert W. Griffith". The signature is fluid and cursive, with the first name "Robert" and last name "Griffith" being clearly legible.

Date: August 18, 2004

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FORM PTO-1449 (MODIFIED)**LIST OF PUBLICATIONS FOR
APPLICANT'S INFORMATION
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U.S. PATENT DOCUMENTS

EXAMINER					FILING DATE
INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAMINER					TRANSLATION	
INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	YES	NO

OTHER DOCUMENTS

EXAMINER				
INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.		

1. C.C. Aggarwal, "A Framework for Diagnosing Changes in Evolving Data Streams," ACM SIGMOD Conference, pp. 575-586, June 2003.
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OTHER DOCUMENTS (cont'd.)

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- 11. S. Ramaswamy et al., "Efficient Algorithms for Mining Outliers from Large Data Sets," Proceedings of the ACM SIGMOD Conference, 12 pages, 2000.
- 12. T. Zhang et al., "BIRCH: An Efficient Data Clustering Method for Very Large Databases," ACM SIGMOD Conference, pp. 103-114, 1996.
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